ANNEX A, APPENDIX 3
UNITED STATES DEPARTMENT OF ENERGY-HANFORD SITE
EMERGENCY PLANNING ZONES
EMERGENCY CLASSIFICATION LEVELS AND
WASHINGTON STATE EOC OPERATIONAL PHASES

I. UNITED STATES DEPARTMENT OF ENERGY- DOE-RL EMERGENCY PLANNING ZONES

A. Plume Exposure Pathway Emergency Planning Zone

The various facilities on the United States Department of Energy-Hanford Site each facility site has its own exposure pathway Emergency Planning Zone (EPZ) shown at Appendix 6 to this Annex. The counties involved include Benton, Franklin, and Grant.

B. Ingestion Exposure Pathway Emergency Planning Zone

The ingestion exposure pathway EPZ for the United States Department of Energy- Hanford Site is the same 50-mile circle used for Columbia Generating Station. It is also shown on the attached map. The ingestion counties include Adams, Benton, Franklin, Grant, Walla Walla, and Yakima.

II. UNITED STATES DEPARTMENT OF ENERGY-RICHLAND OPERATIONS EMERGENCY CLASSIFICATIONS

These emergency classifications apply to Hanford Site reactors, and other onsite facilities, nuclear and non-nuclear, involved with radiological and/or hazardous materials. Unlike commercial nuclear power plants, such as the Columbia Generating Station, the Hanford Site does not include the Notification of Unusual Event.

A. Alert-Washington State EOC Operational Phase III

1. Description

An Alert represents that events are in progress or have occurred that involves an actual or a potential substantial degradation of the level of safety at a facility. Any environmental releases of hazardous materials are expected to be limited to fractions of the appropriate Protective Action Guide (PAG) or Emergency Response Planning Guideline (ERPG) at the facility boundary.

2. **Action**

Notify appropriate state and county agencies. Activate the Washington State (EOC) and plume county EOCs. Provide current information on the event.

B. Site Area Emergency-Washington State EOC Operational Phase III

1. **Description**

A Site Area Emergency (SAE) represents events are in progress or have occurred that involve actual or likely major failure(s) of facility safety or safeguard systems needed for the protection of onsite personnel, the public health and safety, the environment, or national security. Any environmental release of hazardous materials are expected to exceed the appropriate PAG or ERPG exposure levels at the facility boundary, but is expected to be less than these values at the Hanford Site boundary.

2. **Action**

Notify appropriate state and county agencies. Activate the Washington State EOC and the plume and ingestion county EOCs. Provide current information on the event, initiate automatic protective actions, and dispatch emergency workers.

C. General Emergency-Washington State EOC Operational Phase III

1. **Description**

A General Emergency (GE) represents events that are in progress or have occurred that involves actual or imminent catastrophic failure of facility safety systems with potential for loss of confinement integrity, catastrophic degradation of facility protection systems threatening the integrity of a weapon or test device, which could lead to substantial offsite impacts. Any environmental releases of hazardous materials can reasonably be expected to exceed the appropriate PAG or ERPG exposure levels at or beyond the Hanford Site boundary.

2. **Action**

Notify appropriate state and county agencies. Activate the Washington State EOC and the plume and ingestion county EOCs. Provide current information on the event, initiate automatic protective actions, dispatch emergency workers, and prepare for relocation and food control measures.